USER MANUAL

KSL1W9

KANDOlite®

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Summarize

Thank you for purchasing our LED lighting. Please read these instructions carefully before begin and operate the fixtures according to these instructions to avoid any possible damages and accidents causes by misusage.

Products introduce

This led KKSL1W9 light is uses aluminum shell, designed in a fashion of hydrodynamic form. Appearance shows: long can, short can or short can with color filter. It takes uses high power R,G,B 3 in 1 kinds of LED. It uses power switch, performs low weight and consumption, stable capability and long life. The built-in program includes dimmer, strobe, eotic, gradual change, fading and so on. International standard DMX 512 signal is requested.

Packing list

- KKSL1W9 light 1PC
- DMX cable 1PC (sold separately)
- Power Cable 1PC
- The use manual
- Warranty Card

Safety Information

! Enquire the skilled people before any repair;

! Always make sure disconnect from the power source before setting up, serving and moving;.

! Avoid direct eye exposure to the fixture when it is on;

Safety instruction

● Make sure the power supply voltages are consistent with this lights，Ensure the use of voltage is in the range of the request technical parameter.

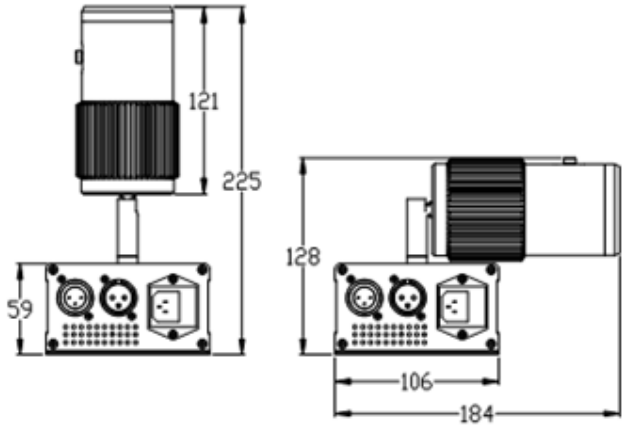
●before the installation, please check the light's fasteners and mechanical structure have been received in good condition and appear no damage.

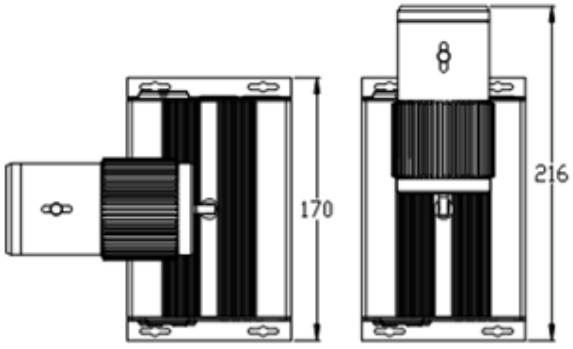
●This light is designed for indoor use, working temperature is lower than 50 degree.

●The fixtures maybe mounted in any position provided there is adequate room for ventilation. Make sure there are no inflammable and explosive items (ornaments) in 0.5 meters away.

●Yellow / green cabling earthling safety; no flicker when the fixture is working on.

Outside Size Picture





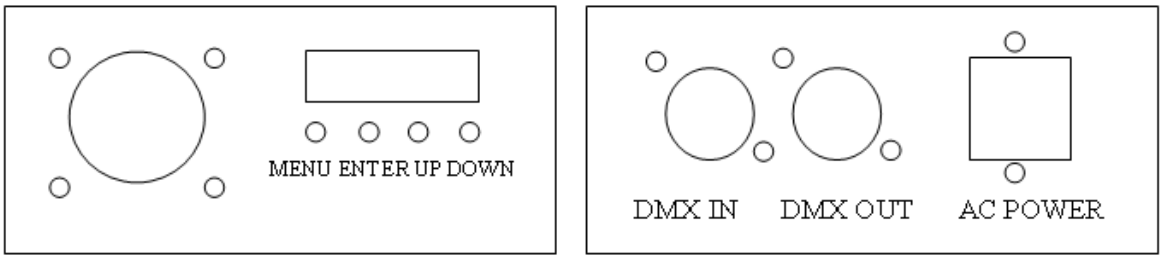
Main Function

- high quality LED: low consumption, brightness, stable capability and long life
- Each color of LED with 256 dimming. RGB can make over 16.7 million colors
- dim 0%-100%, Strobe、gradual change、jumping change
- DMX512 Controller
- auto run /sound activated/master slave/interconnected multi-machine control
- projecting distance:30m
- DMX512 channels:6 channels

DMX Control Function

Channel	DMX Value	Control Function	Remark	Priority
1CH	0-255	General dimming	Must use this channel, otherwise no function of dimming	1
2CH	0-255	Red Dimming 0——100%	Or Amber color	
3CH	0-255	Green Diming0——100%	Or white color	
4CH	0-255	Blue Dimming 0——100%		
5CH	0-14	Dimming	When the 6CH above is 32-223，this channel has the function of speed adjustment0-255	3
	15-255	Strobe Speed		
6CH	0-31	Invalid		
	32-63	From dark to bright	Must use CH1、2、3、4 otherwise no light，From the 5CH, start the speed adjustment	3
	64-95	From bright to dark		
	96-127	From dark—bright—dark		
	128-159	RGB Gradient	From the 5CH adjust the speed(CH1、CH2、CH3、CH4、CH7is invalid)	
	160-191	3 colors jumping change		
	192-223	7 colors jumping change		
	224-255	Sound activated		

Display Operation



- MENU : access the menu or return to a previous menu option
- ENTER: select the current menu option
- UP: menu selection or parameter increments
- DOWN: menu selection or parameters decrease

Operating instruction

MENU → ENTER → UP/DOWN → ENTER

1. MENU is used to access the menu or return to a previous menu option. It can not be used to select and store the current menu option. Press UP / DOWN to choose a desired menu item. Here are the operation details :

- ”addr”: DMX mode （A001-A512）
- “SouF”: Voice-activated strobe mode
- “SouA”: Voice-activated no strobe mode
- ”SP”; built-in program speed change model (SP00-SP15, SP00 is the fastest)
- ”Pr”; Built-in program （Pr00-Pr15 16 program in all）
- ”ASC”; seven colors jumping（AS00-AS15 speed adjustable）
- ”FAdE”: gradual change model（FA00-FA15 speed adjustable）
- ”FLAS”: white color strobe（FL00-FL15 speed adjustable）
- ”rL”: red dimmer （r000-r255,, r255 is the brightest）
- ”gL”: green dimmer（g000- g255, g255 is the brightest）
- ”bL”: blue dimmer（b000- b255, b255 the brightest）

2. Press ENTER to access the further menu setting. This process can be saved automatically; that means you will enter the process saved previously when you activate the light next time. For example, if you want to choose DMX mode A001, operate as follows:

- Press MENU, go back to the initial setting
- Press UP / DOWN until Addr
- Press ENTER to choose, the display will glinting at this moment
- Press UP / DOWN to change the address code to select A001
- Press ENTER to select and store the current menu options. DMX mode will be
- Stored automatically and the screen will stop glinting.

3. Details of program built inside（Pr- -）

- Press MENU, go back to the initial setting
- Press UP / DOWN until Pr--
- Press ENTER to choose, the display will glinting at this moment
- Press UP / DOWN to change the address code to select pr00
- Press ENTER to select and store the current menu options. DMX mode will be
- Stored automatically and the screen will stop glinting.
- Pr00:red; Pr01:green Pr02:blue
- Pr03:amber Pr04:cyan Pr05:purple
- Pr06:white; Pr07:red+strobe; Pr08:green+strobe
- Pr09:blue+strobe; Pr10:amber+strobe;
- Pr11:cyan+strobe
- Pr12:purple+strobe; Pr13:white+strobe;
- Pr14:RGB jumping change; Pr15: 7 colors jumping change;

Note：

Pr7--- Pr15 Can change the content Of SP，correct the speed of jumping change , SP00 is the fastest，SP15 is the slowest

Operating Control Instruction

Master/Slave

Master：The master should set as built-in program and shows" P - X – X" send out synchronization signals. To avoid the host signal and DMX512 signals interfere with each other, should cut off the DMX512 signals. The signal lines are longer than 60 meters should increase a signal amplifier.

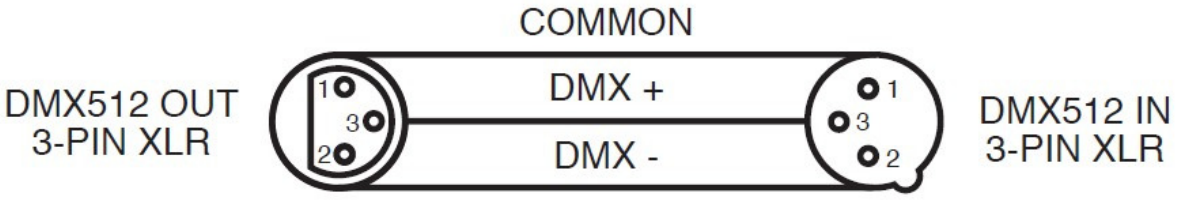
Slave：It must be in the SLAV mode and the address code should be A001 to assure receive the master's signals correctly. Only one light can be set as a Master and others are slaves.

XLR cable connecting

XRL cable：

The stand connection way of the XRL is: one end connects to the male plug, and the other connects to the female.

XLR Pin Configuration
Pin 1 = Ground
Pin 2 = Data Compliment (negative)
Pin 3 = Data True (positive)



Noted In order to avoid failures and interference signal transmission we connect

a resistance120Ω 1(/4W)at the end of the DMX connecting as below:

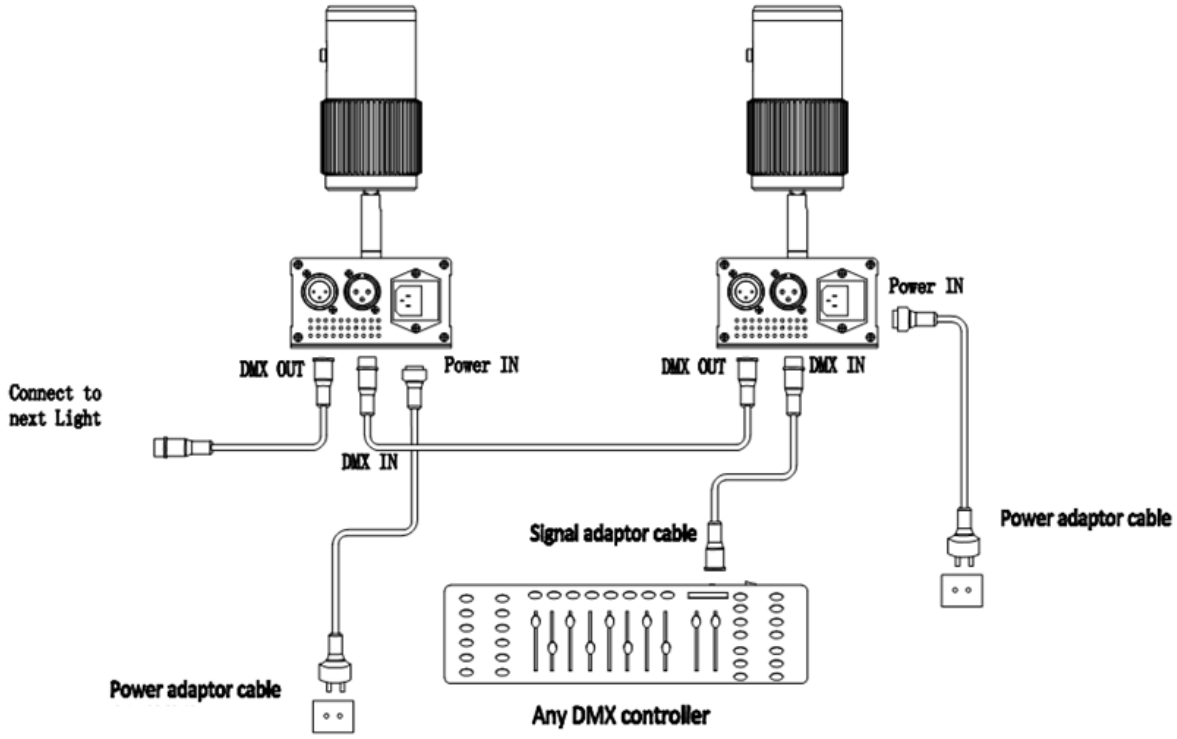
Termination reduces signal errors and avoids signal transmission problems and interference. It is always advisable to connect a DMX terminal, (Resistance 120 Ohm 1/4 W) between PIN 2 (DMX-) and PIN 3 (DMX +) of the last fixture.

The Conversion between 3pin and 5 pin XLR

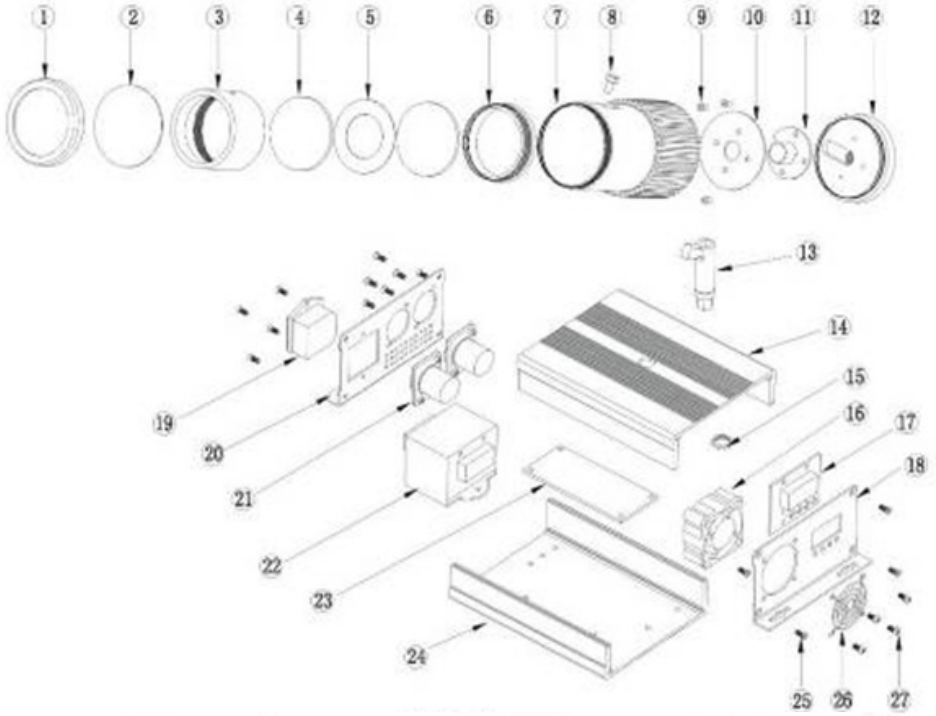
If the output cable of DMX512 controller is the 5PIN, please use 1pc 5PIN to 3PIN cable

3-Pin XLR to 5-Pin XLR Conversion		
Conductor	3-Pin XLR Female (Out)	5-Pin XLR Male (In)
Ground/Shield	Pin 1	Pin 1
Data Compliment (- signal)	Pin 2	Pin 2
Data True (+ signal)	Pin 3	Pin 3
Not Used		Do Not Use
Not Used		Do Not Use

Connecting picture



Exploeded views



Order number	Item	Quantity	Remarks
1	Front cover of lamp holder	1PCS	
2	galss	1PCS	
3	Lens barrel front cover	1PCS	
4	convex lens	2PCS	
5	Light-blocking slice	1PCS	
6	Lens barrel rear cover	1PCS	
7	Lamp headed outside barrel	1PCS	
8	rubber-headed screw	1PCS	
9	screw	3PCS	
10	lens platen	1PCS	
11	light board	1ASM	Finished product
12	back cover of lamp holder	1PCS	
13	gimbal	1PCS	
14	Upper cover of bottom case	1PCS	
15	Nut	1PCS	
16	Fan	1PCS	
17	Display board	1ASM	Finished product
18	Display screen side cover of bottom case	1PCS	
19	Power base	1PCS	
20	XLR side cover of bottom case	1PCS	
21	XLR base	1ASM	Finished product
22	Transformer	1PCS	
23	PCB control board	1ASM	Finished product
24	Under cover of bottom case	1PCS	
25	screw	8PCS	
26	fan net	1PCS	
27	screw	8PCS	

Problem Analyze

Problem	Checking way
Can not turn on the light	◆ Check the power source plug is in normal or not ◆ Check the switch of the lights is off or on ◆ Check it the fuse if in normal
DMX can not control it	◆ Check the DMX cable is connect to the lights or not ◆ Check the DMX512 controller work in normal or not ◆ Check the DMX cable is normal or not ◆ Check if the lights is in DMX mode（A001）
Display not bright	◆ When connect to the electricity did the led flash one time? If so the power source is normal; If not please check if the switch and the transformer has power out ◆ Check if the power input of the IC board is normal ◆ Check if the cable connect to the display loose ◆ Change the main board to see if it is normal. ◆ Chang the display
LED not light	◆ When connect to the electricity did the led flash one time? If so the power source is normal; If not please check if the switch and the transformer has power out ◆ Check if the power input of the IC board is normal ◆ Check if the cable connect to the display loose ◆ Change the main board to see if it is normal. ◆ Chang the display
	◆ LED is connect by leds in series first, then connect parallel, so please check if the leds is loose

Some of the LED not light	◆ Use the multimeter to check if the led is bright or not, of not, please change the led ◆ check whether current limiting resistor is normal or not ◆ Check constant current IC is normal or not (compared with the normal IC)
Single color leds always bright/not bright	◆ Check the switch of this color is normal or not ◆ Change the IC control board

Noted: only professional persons can do as above !

Technical Specification

- Input voltage:220V/50HZ
- Consume：15W
- Lamp Type：High Power LED
- Lamp Spec：3-in-1　9W　1PCS
- Control Signal：DMX512, sound activated, auto run
- Control mode：　DMX/ auto run/sound activated / master and slaver
- Beam Angle: 12°
- Projecting distance:30m
- Projecting angle(Y axis 0-90°,X axis 0-360°)
- Channel：　6CH
- Function Effect：dimmer, strobe, eotic, gradual change
- Fine focusing knob
- Size:195.8*106*138.5MM
- Net Weight：1.6KG

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